

DEPARTMENT OF ENVIRONMENTAL SERVICES

FY 2010 CAPITAL IMPROVEMENT PROGRAM

Presentation Dates

SOLID WASTE Waste Collection and Disposal	March 19, 2009
WASTEWATER Improvement District – Sewers Sewage Collection and Disposal	March 19, 2009
STORM WATER QUALITY Storm Drainage	March 20, 2009

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CITY CLERK
HONOLULU, HAWAII

SOLID WASTE Waste Collection and Disposal

- Kapaa/Kalaheo Landfill Gas Flare System \$ 700,000 (D,C,I) FY10
- Kawaihoa Transfer Station Greenwaste Recycling Improvements \$ 300,000 (D) FY10
- Oahu Secondary Landfill – Site Selection Study \$ 500,000 (P) FY10
- Refuse Facilities Improvements at Various Locations \$ 1,150,000 (D,C,I) FY10
- Solid Waste To Energy Facility \$142,853,000 (P,D,C,I,X) FY10

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SOLID WASTE

Waste Collection and Disposal (Cont'd)

• Waianae Yard – Vehicle Wash Facility	\$ 125,000 (P,D) FY10
• Waipahu Incinerator Site Closure – Area Cleanup and Improvements	\$ <u>650,000 (D,C,I) FY10</u>
SUBTOTAL	\$146,278,000 FY10
• Major Equipment	\$ <u>12,434,000 FY10</u>
TOTAL	\$158,712,000 FY10

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WASTEWATER

Mandates

- 309 Consent Decree Mandates
 - Infiltration/Inflow reduction and 20-year sewer rehabilitation program
 - Small Diameter Sewer Rehabilitation Program
- Force Main Order (DOH) 2004
 - Condition assessment and upgrade program
- Force Main Stipulated Order (EPA) 2007
 - 6 critical force mains & Beachwalk WWPS, condition assessments, site specific contingency plans, follow-up action plans
 - Beachwalk WWPS Force Main, December 2012
 - Kaneohe/Kailua Force Main No. 2, December 2014
 - Ala Moana WWPS Force Main No. 3, December 2014

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WASTEWATER

Work Phase Breakdown – FY10 CIP

• Land	\$ 6,000
• Planning	\$ 38,780,118
• Design	\$ 29,187,096
• Construction	\$ 92,005,000
• Inspection	\$ 6,498,754
• Equipment	\$ 4,225,225
• Other	<u>\$ 5,000,000</u>
Total	\$175,702,193

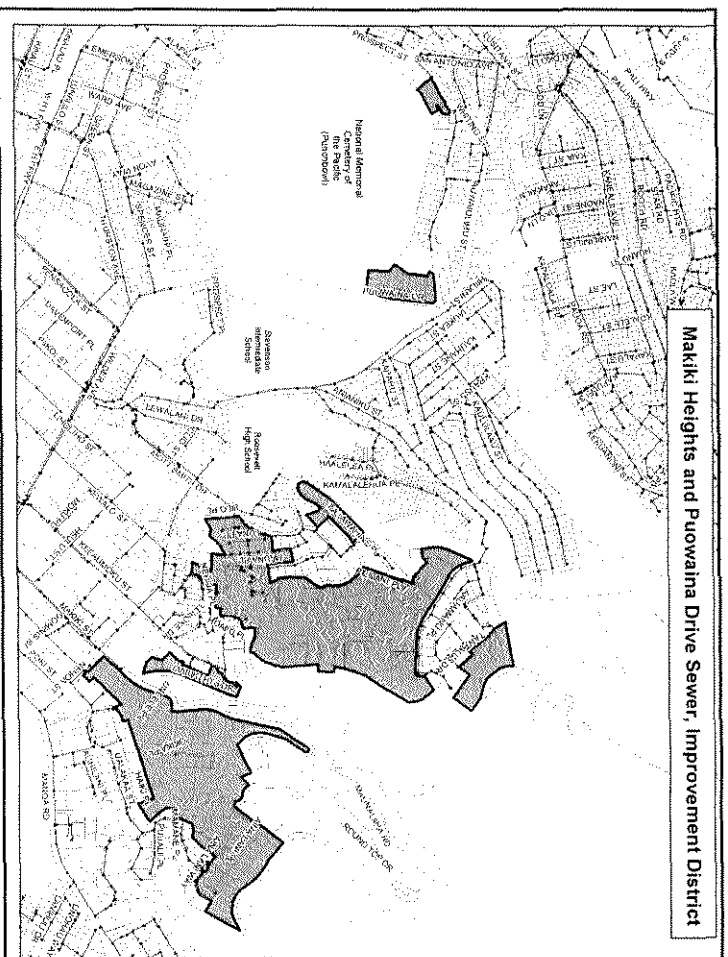
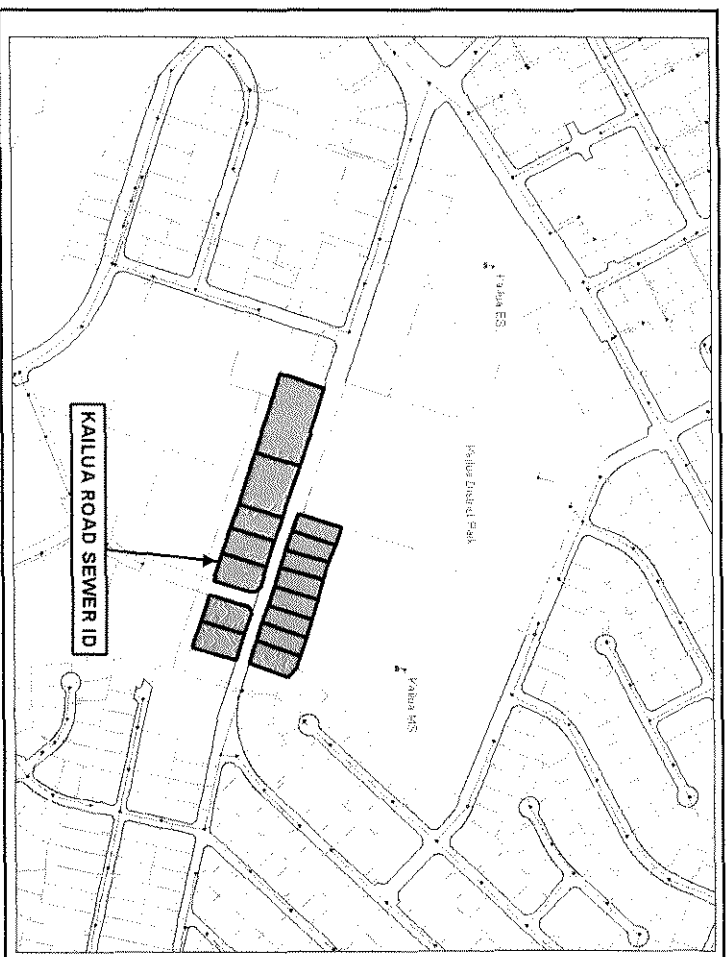
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WASTEWATER

Improvement District-Sewers

- Kailua Road Sewer Improvement
District \$400,000 (C) FY10
- Makiki Heights and Puowaina Drive Sewers,
Improvement District \$501,000 (P,D) FY10

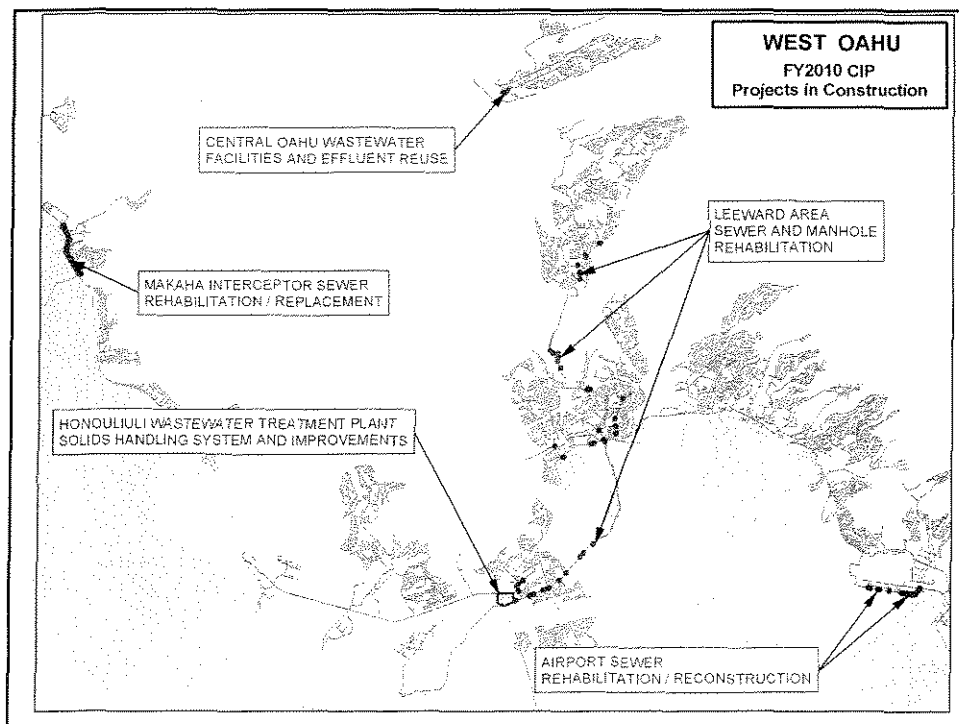
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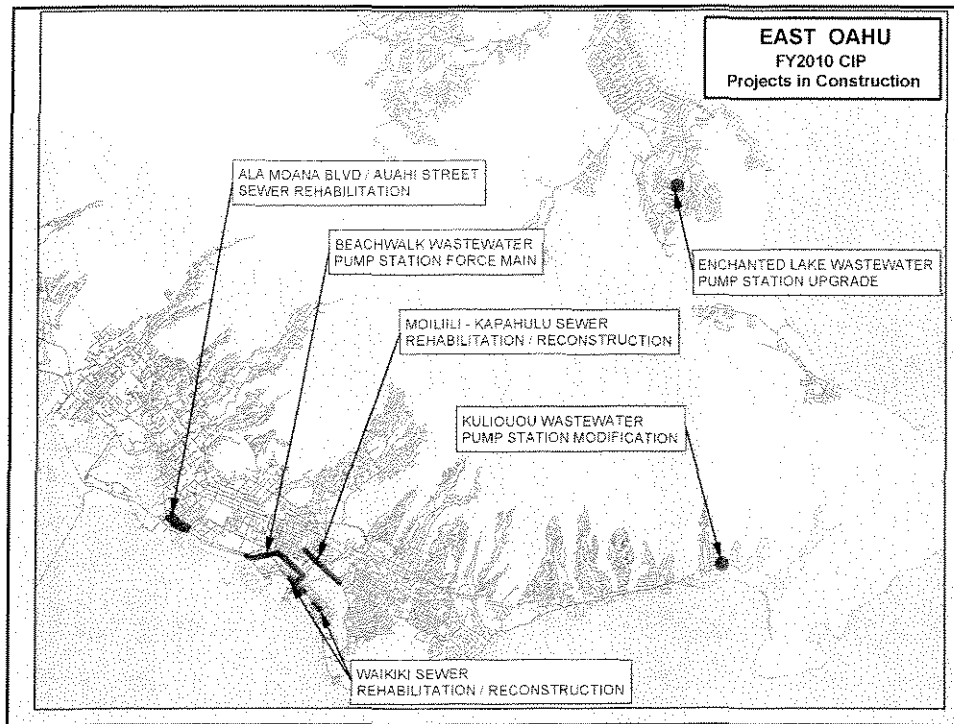


WASTEWATER

Sewage Collection and Disposal

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WASTEWATER

Sewage Collection and Disposal

- Ahuimanu Wastewater Preliminary Treatment Facility Force Main \$ 1,200,000 (P,D) FY10
- Airport Sewer Rehabilitation/Reconstruction \$ 681,000 (D,C,I) FY10
- Ala Moana Boulevard/Auahi Street Sewer Rehabilitation \$ 9,001,000 (D,C,I) FY10
- Ala Moana Wastewater Pump Station Force Main No. 2 Rehabilitation \$ 1,402,000 (P,D,C,I) FY10
- Ala Moana Wastewater Pump Station Force Main No. 3 \$ 4,002,000 (L,P,D) FY10

WASTEWATER

Sewage Collection and Disposal

- Beachwalk Wastewater Pump Station
Force Main \$ 2,300,000 (D,C,I) FY10
- Central Oahu Wastewater Facilities and
Effluent Reuse \$15,601,000 (D,C,I) FY10
- Chinatown Sewer Rehabilitation \$ 1,501,000 (P,D,) FY10
- Enchanted Lake Wastewater Pump Station
Upgrade \$ 201,000 (D,C) FY10
- Hele Street Sewer Relief/Rehabilitation,
Kailua \$ 301,000 (P,D) FY10

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WASTEWATER

Sewage Collection and Disposal

- Honouliuli Wastewater Basin Odor Control \$ 901,000 (P,D) FY10
- Honouliuli Wastewater Treatment Plant and
Sewer Basin Facilities \$ 9,004,000 (L,P,D,C,I,E) FY10
- Honouliuli Wastewater Treatment Plant Outfall
Improvement/Rehabilitation \$ 401,000 (P,D) FY10
- Honouliuli Wastewater Treatment Plant Solids
Handling System and Improvements \$16,301,000 (P,D,C,I) FY10
- Iwilei/Kalihi Kai Sewer Rehabilitation/
Reconstruction \$ 701,000 (P,D) FY10

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WASTEWATER

Sewage Collection and Disposal

- Kailua Wastewater Treatment Plant and Sewer Basin Facilities \$ 5,004,000 (L,P,D,C,I,E) FY10
- Kailua Wastewater Treatment Plant Outfall Improvement/Rehabilitation \$ 401,000 (P,D) FY10
- Kailua Wastewater Treatment Plant – Solids Dewatering System \$ 501,000 (P,D) FY10
- Kamehameha Highway Wastewater Pump Station Upgrade, Mapunapuna \$ 501,000 (P,D) FY10
- Kaneohe/Kailua Force Main No. 1 Rehabilitation \$ 501,000 (P,D) FY10

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WASTEWATER

Sewage Collection and Disposal

- Kaneohe/Kailua Force Main No. 2 \$ 3,002,000 (L,P,D) FY10
- Kuliouou Sewer Rehabilitation and Wastewater Pump Station Modification \$ 1,100,000 (D,C) FY10
- Leeward Area Sewer and Manhole Rehabilitation \$ 1,160,000 (D,C,I) FY10
- Makaha Interceptor Sewer Rehabilitation/Replacement \$ 5,301,000 (D,C,I) FY10
- Manoa Sewer Relief/Rehabilitation \$ 671,000 (P,D) FY10

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WASTEWATER

Sewage Collection and Disposal

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| • Moiliili-Kapahulu Sewer Rehabilitation/
Reconstruction | \$ 5,451,000 (D,C,I) FY10 |
| • Old Sewer Tunnel Rehabilitation | \$ 401,000 (P,D) FY10 |
| • Pacific Palisades Diversion Sewer Line | \$ 501,000 (P,D) FY10 |
| • Palolo Valley Sewer Rehabilitation | \$ 2,001,000 (P,D) FY10 |
| • Project Management for Wastewater
Projects | \$ 7,134,744 (P,D,I) FY10 |
| - CIP cash funded (SW) | |

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WASTEWATER

Sewage Collection and Disposal

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| • Sand Island Wastewater Basin Odor
Control | \$ 901,000 (P,D) FY10 |
| • Sand Island Wastewater Treatment Plant and
Sewer Basin Facilities | \$ 9,004,000 (L,P,D,C,I,E) FY10 |
| • Sewer Condition Assessment Program | \$ 5,000,000 (P) FY10 |
| • Sewer I/I Assessment & Rehabilitation
Program | \$ 1,000,000 (P) FY10 |
| • Sewer Mainline and Lateral Projects | \$15,302,000 (L,P,D,C,I) FY10 |

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WASTEWATER

Sewage Collection and Disposal

- Uwalu Wastewater Pump Station Upgrade \$ 301,000 (P,D) FY10
- Waianae Wastewater Facilities Plan \$ 800,000 (P) FY10
- Waiau Area Sewer Rehabilitation/
Reconstruction \$ 401,000 (P,D) FY10
- Waikalua Wastewater Pump Station
Upgrade \$ 201,000 (P,D) FY10
- Waikapoki Wastewater Pump Station
Upgrade \$ 100,000 (D) FY10
- Waikiki Sewer Rehabilitation/Reconstruction \$11,601,000 (P,D,C,I) FY10

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WASTEWATER

Sewage Collection and Disposal

- Waipio Wastewater Pump Station Upgrade \$ 501,000 (P,D) FY10
- Wastewater Equipment \$ 4,222,225 (E) FY10
- CIP cash funded (SW)
- Wastewater Facilities Replacement Reserve \$ 5,000,000 (X) FY10
- Wastewater Planning and Programming \$ 235,224 (P) FY10
- CIP cash funded (SW)
- Wastewater Program Management \$ 7,002,000 (P,D,I) FY10
- CIP cash funded (SW)
- Wastewater Treatment Plant, Pump Station,
and Force Main Projects \$16,101,000 (P,D,C,I) FY10

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STORM WATER QUALITY

ENV PROJECTS RELATE TO THE IMPROVEMENT OF WATER QUALITY THROUGH CONTROL OF WHAT IS DISCHARGED THROUGH STORM DRAINS

• NPDES MS4 Erosion Prone Area Improvements	\$ 400,000 (P,D) FY10
• Storm Drainage Best Management Practices, Downtown-Chinatown	\$ 60,000 (P,D) FY10
• Storm Drainage Best Management Practices in the Salt Lake Drainage System	\$ 210,000 (P,D) FY10
• Storm Drainage Best Management Practices in the vicinity of Wahiawa Reservoir	\$ 845,000 (P,D,C,I) FY10
• Storm Drainage Best Management Practices in the vicinity of Kuapa Pond	<u>\$ 350,000 (P,D) FY10</u>
TOTAL	\$ 1,865,000 FY10

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STORM WATER QUALITY

NPDES SMALL MS4 PERMIT PROGRAM

• for Honolulu Police Dept	\$ 760,000 (P,D,C,I,E) FY10
• for Honolulu Fire Dept	\$ 275,000 (P,D,C,I,E) FY10
• for Department of Parks and Recreation	\$ 720,000 (P,D,C,I,E) FY10
• for Hanauma Bay	\$ 600,000 (P,D,C,I,E) FY10
• for Department of Enterprise Services	<u>\$1,260,000 (P,D,C,I,E) FY10</u>
TOTAL	\$3,615,000 FY10

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DEPARTMENT OF ENVIRONMENTAL SERVICES

FY 2010 CAPITAL IMPROVEMENT PROGRAM

SOLID WASTE

Waste Collection and Disposal	\$ 146,278,000 FY10
Major Equipment	\$ 12,434,000 FY10

WASTEWATER

Improvement District – Sewers	\$ 901,000 FY10
Sewage Collection and Disposal	\$ 174,801,193 FY10

STORM WATER QUALITY

Storm Drainage, Budgeted to ENV	\$ 1,865,000 FY10
NPDES Small MS4 Permit Program	<u>\$ 3,615,000 FY10</u>

TOTAL	\$ 339,894,193 FY10
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